

In the Surat district a survey for a railway along the Tápti Valley towards the Khándesh district has been made this season by the B. B. & C. I. Railway Company, and when this line is constructed, it will be of very great benefit in opening out the Dángs.

(b) BUILDINGS.

195. The following statement shows in detail the works constructed during the year at the cost of the Provincial Services Budget, by the Public Works Department, at the instance of the Conservator of Forests under sanctions given by him from the discretionary grant of Rs. 2,000, which had been placed at his disposal under the orders contained in Government Resolutions No. 170A—703 of 25th April 1891, and No. 428A—1723, dated 13th October 1891, in the Public Works Department:—

No.	Executive Officer.		Name and Locality of Works.	Amount sanctioned.		
				Rs.	a.	p.
1	Executive Engineer, Poona	...	For making improvement to the Range Forest Office at Paud ...	126	0	0
2	Do.	do.	For certain alterations and additions to the Range Forest Office, Haveli ...	59	0	0
3	Do.	Khándesh.	For concrete floors to the Range Forest Office at Navápur ...	18	0	0
4	Do.	do.	Do. do. Sindkheda.	18	0	0
5	Do.	do.	Do. do. Sháháda ...	9	8	0
6	Do.	do.	For providing stone paving to the Range Forest Office at Páchora ...	94	0	0
7	Do.	Sátára	For providing doors to the window of Range Forest Office at Koregaon ...	9	0	0
8	Do.	do.	For making additions and alterations to the roof of the Range Forest Office at Dahivadi ...	242	0	0
9	Do.	do.	For providing a bonnet to the window of the Range Forest Office at Wái ...	7	0	0
10	Do.	do.	For new glazed shutters to the windows of the Range Forest Office in the New Adálat ...	77	0	0
11	Do.	do.	For additions and alterations to the Range Forest Office, Sátára ...	62	0	0
12	Do.	do.	For cloth ceiling to the Range Forest Office at Shirála ...	38	0	0
13	Do.	Kaira	For providing a concrete flooring and plank ceiling to the Range Forest Office, Jhálod ...	88	0	0
14	Do.	do.	For making a flooring to the Range Forest Office at Kálol ...	64	0	0
15	Do.	Thána	For providing ceiling to the Range Forest Office at Mokháda.	115	0	0
16	Do.	do.	Do. do. Karjat ...	113	0	0
17	Do.	do.	For providing teakwood ceiling and concrete flooring to the Range Forest Office at Khálápur ...	76	0	0
18	Do.	do.	For providing additions and alterations to the Range Forest Office at Máhim ...	125	0	0
19	Do.	do.	Do. do. Umbargaon.	13	0	0
20	Do.	do.	Do. do. Dáhánu ...	163	0	0
21	Do.	do.	Do. do. Bassein ...	153	0	0
22	Do.	do.	Do. do. Thána ...	76	0	0
23	Do.	do.	Do. do. Váda ...	145	0	0
				1,890	8	0

196. The following additional works have been undertaken by the Public Works Department during the year at the cost of the Provincial Service Budget.

Forest depôt houses, brick built, on a sanctioned plan and scale, have been built as under, but have not yet been handed over to this department:—

In North Thána Division.

Range.	Place.		Cost.
			Rs. a. p.
Mahim ...	Pāghar ...	Railway Station, B. B. & C. I. Railway	1,083 0 0
Do. ...	Manor ...	A timber bandar on Vaitarna River	1,083 0 0
Dáhanu ...	Sawta ...	Tidal bandar	1,083 0 0
Umbargaoon ...	Sanján ...	Do.	1,083 0 0

In South Thána Division.

Range.	Place.		Cost.
			Rs. a. p.
Sháhápúr ...	Wásind ...	Railway Station, G. I. P. Railway	1,173 0 0
Do. ...	Atgaon ...	Do.	1,061 0 0
Kalyán ...	Wángai ...	Do.	1,173 0 0
Khardi ...	Kasára ...	Do.	1,061 0 0

and a depôt house has been sanctioned for the Budlapur Station, but it has been difficult to obtain a site as the land here belongs to the Inámdár of Kulgaon; however the G. I. P. Railway Company have been asked to allow the depôt to be built within their station fencing.

A new office and seed-room for the Range Forest Officer of Taloda was completed and handed over to this department, and the adoption of the old fort at Dhadgaon in the Akráni range of the West Khándesh division to fit it for use as a Range Forest Office was in progress and nearly completed. Special accommodation for a Range Forest Office according to the prescribed plan has been provided in the new kacheri built at Erandol in East Khándesh, which has been completed during the year. The Range Forest Office at the Nandurbár kacheri being in a very shaky condition and inconvenient in many respects, has been undergoing repairs and alterations. A paved floor has been made to the Range Forest Office at Páchora and concrete floors to those at Sindkheda, Sháháda and Navápur, where white ants were found to be troublesome.

In the Násik division the Executive Engineer Mr. B. R. Hatherley constructed for this department during the year an office for the Range Forest Officer, Nándgaon, according to the prescribed form, at a cost of Rs. 1,490 against a sanctioned estimate of Rs. 1,630; and commenced a forest depôt house at Karanjali in the Peint range at an estimated cost of Rs. 1,407, against which Rs. 856 have been spent during the year; it will be completed in 1892-93.

197. Considerable funds had been provided in the Budget of the Surat division for the construction of several rest-houses for Forest Officers in different parts of the Dángs, but most of the money lapsed because skilled labour to construct the houses could not be obtained in the Dángs and could not be induced to come into the Dángs in sufficient numbers, for fear of the climate, and no contractors would come forward; consequently of the four bungalows proposed to be built, only one was undertaken departmentally: a commencement being made in the month of February, when a few carpenters and masons were persuaded to come from Chikhli in the Surat district: the site of this rest-house is a commanding position on the top of the Sarwar plateau; the house was unfinished at the close of the year. The existing rest-houses at Waghai and Pimpri in the Dángs underwent the usual repairs.

198. The following Statement exhibits the expenditure incurred by the Divisional Forest Officers in the Northern Circle in building rest-houses,

temporary depôt houses, forest guards' huts, mandays or sheds for temporary depôt establishments, &c. :—

No.	Division.						Amount.		
							Rs.	a.	p.
1	North Thána	...	...	...	...	...	747	9	0
2	South Thána	...	...	...	...	...	2,315	8	0
3	East Khándesh	...	...	...	...	...	154	0	0
4	West Khándesh	...	...	...	...	...	888	5	0
5	Násik	...	...	...	...	...	494	3	0
6	Ahmednagar	...	...	...	...	...	1	6	6
7	Poona	...	...	...	...	...	75	5	0
8	Sátára	...	...	...	...	...	36	1	0
9	Sholápur	...	...	...	...	...	.....
10	Surat...	...	...	...	...	...	1,304	7	4
11	Panch Maháls	...	...	...	...	...	270	9	6
Total						...	6,287	6	4

199. The expenditure shown above against South Thána includes the cost, Rs. 1,871, of a bungalow with out-houses purchased at Tánša from Messrs. Glover & Co., contractors of the Tánša lake, under sanction of Government Resolution No. 4171 of the 18th June 1891, for a first rest-house.

(c). OTHER WORKS.

200. The water in the Dángs although obtainable from pure springs is everywhere polluted and rendered unwholesome by the dirty habits of the villagers, and this is possibly one of the causes of the frequent sickness of forest officials and of the population residing in the Dángs. With a view to remedy this evil to some extent, wells with a frame work of wood were built at the undermentioned places in the Dángs at the cost stated :—

				Rs.	a.	p.
Linga ...	...	...	...	11	5	0
Malgaon	...	...	...	10	0	0
Gundohol	...	...	...	10	0	0
Umaria Mahál	...	...	...	10	0	0
Jaran ...	...	...	...	6	0	0
Gulkund	...	...	...	10	0	0
Amthava	...	...	...	15	0	0
Gondal Vahir	...	...	...	10	0	0
				82	5	0

Thus rough wells of good pure spring water were provided in eight different directions within the Dángs for the small expenditure of Rs. 82-5-0. Outlay of this kind carefully directed cannot fail to be highly profitable to the State in the health of its servants employed in malarious localities, and to be beneficial to the local population.

CHAPTER IV.

OUTTURN AND WORKING.

I.—DEPARTMENTAL OPERATIONS.

(1).—TIMBER.

201. The outturn in cubic feet of timber exploited departmentally from the forests of the different divisions of the Northern Circle, with the cost incurred